


REPORT
FOR THE YEAR 1905,
PRESENTED TO THE
NEWARK
RURAL DISTRICT COUNCIL
BY
FRANK BROADBENT,
M.R.C.S., Eng.; L.R.C.P., Edinburgh,
MEDICAL OFFICER OF HEALTH.

NEWARK :

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TO THE

Rural District Council of Newark.

GENTLEMEN,

I beg to submit to you my Eleventh Annual Report for the Rural District Council of Newark. I regret that I am rather late, but must plead as an excuse the energy and industry of your County Medical Officer, Dr. Handford, who, with immense labour has been apportioning the deaths in the Hospitals, Infirmaries, and Lunatic Asylums among the various District Councils, and therefore has necessitated fresh calculations and a delayed Report. The population is estimated at 7973, the acreage at 36619, and during the year there have been 119 deaths and 199 births. The birth rate was 24·9 per 1000 against 27·5 for last year. The death rate was 14·9 per 1000 against 11·7 for last year.

The death rate for children under one year was 218·5 per 1000 of the total deaths against 268·8 for last year. In Table V you will find the age and cause of death of the 26 children under one year carefully tabulated and analysed. Debility, due to premature birth accounts for seven deaths, and eleven deaths arise from diseases caused by chill. It is quite possible that more care on the part of the parents might have very much reduced this mortality.

The deaths of children under one year compared to births was 130·6 per 1000 against 115·1 for last year.

The deaths of children between 1 and 4 years was 50·4 per 1000 against 64·5 for last year.

The deaths of persons of 65 and upwards amounted to 428·5 per 1000 of the total deaths against 333·3 for last year, and amongst these I notice 4 over 90, 10 over 80, and 23 over 70 years of age.

There were twenty more deaths of people over 65 this year, and this is the principal cause of the increase in the death rate.

Until agriculture becomes a more flourishing industry, and all the houses are required for young active workers, there will always be a tendency for the worn out workers to come to the country to die, and thus make the death rate fictitiously high.

The principal Zymotic Diseases which caused death were Typhoid Fever one, Scarlatina one, Puerperal Fever one, and Erysipelas one, a mortality of ·5 per 1000 against 1·0 for last year.

NOTIFICATION OF INFECTIOUS DISEASE.

Erysipelas.—Erysipelas was notified eight times, and there was one death in a man nearly 80 years of age.

Scarlatina.—An imported case of Scarlatina was notified from Farndon in January. It was carefully isolated and there was no spread of the disease.

Scarlatina was notified from Langford in February and March, and there was one death.

Winthorpe School and School house became infected in April. The cases were severe and the School had to be closed for two months. Single cases were also reported from Cotham in April, and North Collingham in August, but there was no spread of the disease.

Enteric Fever.—A case was reported from Balderton in March and the patient died. The only possible source of infection seemed to be that, whilst gardening, he might have dug up the germs, as there had been another case in the house a year before and the stools had been buried in the garden, there being no other means of disposal available.

Continued Fever.—A case was reported from Collingham in April. The water was bad, and a pure supply was ordered to be laid on.

Puerperal Fever.—A patient admitted into the Newark Infirmary from Balderton developed Puerperal Fever and died. The County Council was notified, and the usual precautions were taken.

Diphtheria.—One case was notified from Balderton in June. In this case the absence of a system of a sewage disposal may have caused the disease.

NON-NOTIFIABLE EPIDEMIC DISEASES.

Rotheln or German Measles.—Rotheln or German Measles were very prevalent with many isolated cases, and Coddington School had to be closed in April. There were no deaths.

Whooping Cough.—There were a great many cases throughout the District and three deaths occurred. This is a most dangerous disease, especially to infants. Parents and teachers should endeavour to prevent the spread of it as much as possible by carefully isolating each case. Measles became epidemic in Coddington in July and the School had to be closed. There were no deaths.

Phthisis and Tubercule.—Phthisis and Tubercule accounted for seven deaths. I see that the Newark Urban Council is advising the disinfection of houses where a case of Consumption has occurred, thus following the example of your Authority who have pursued this course where practicable for a good number of years.

ISOLATION HOSPITAL AND DISINFECTION.

Newark has decided not to join with us in the erection of an Isolation Hospital, so that the day when your Authority have a Hospital to remove infectious cases to, seems further off than ever.

It does not seem right that 7973 people scattered through a narrow district nearly 30 miles long should be called upon to build and equip a Hospital which often would be empty; still it is very awkward dealing with epidemic disease especially in thickly populated places like New Balderton, and it is to be hoped the County Council will be able to remedy the matter some day. We do pay a retaining fee for a field in case of an outbreak of Small Pox, and I am afraid for the present I can advise nothing further

MILK SUPPLY.

Your Inspector and myself have visited all the registered Milk sellers in the District, and on the whole, are satisfied with them.

WATER SUPPLY.

The villages in which the Newark Water can be obtained are gradually laying it on. In Collingham the springs have been so low that several houses have had to adopt it because of the scarcity. The village of Hawton would be much improved by taking the Newark Water, as their supply is very bad and unpalatable.

DRAINAGE AND SANITARY WORK.

The drainage of the larger villages in my district is a great anxiety. Owing to the flatness of the land and the liability to flood, there seems no possibility of any scheme being carried out without a pumping station, and even then with our present knowledge we have no system which is really satisfactory and economical. I should advise the Authority, in the large villages where they have got the Newark Water laid on, to encourage people to drain into the subsoil and deal with their sewage on their own premises as much as possible.

Balderton during the year have had a great deal of trouble with the disposal of their night soil, and there has been one prosecution. There are many cottages and the owners do not care to go to the expense of water closets. The difficulty was so great at one time that I advised

the Authority to organise a system of public scavenging. This has not been done, but unless water closets are put in more freely I am afraid the Authority will find themselves compelled to adopt this course.

SLAUGHTER HOUSES AND BUTCHERS' SHOPS.

There is nothing fresh to report about them, they have been inspected from time to time and are in fair order.

FACTORIES, WORKSHOPS, AND BAKEHOUSES.

The Factories, Workshops, and Bakehouses have been inspected. In two Bakehouses a new water supply has been adopted, and in another the Bakehouse has been altered so as to shut it off from the living room.

CANAL BOATS.

Four Boats have been visited this year by your Inspector. Their condition was satisfactory.

Your Inspector has collected and I have analysed 13 samples of water of which 9 have been condemned.

Appended are the tables provided by the Local Government Board, the Secretary of State, the Report of the Inspector of Nuisances, and the Rainfall kindly supplied by the Rev. E. C. Shawfield, of South Scarle Vicarage.

I have the honour to be, Gentlemen,

Your obedient Servant,

FRANK BROADBENT.

Newark Rural District Council.

REPORT OF THE INSPECTOR OF NUISANCES

For the Year ending December 31st, 1905.

Nuisances reported	...	...	...	...	25
„ abated	...	...	...	...	18
„ unabated at end of year			...	...	7
Official Notices issued	...	..	...	...	9
Successful prosecution	...	...	...	...	1
Unsuccessful „	...	...	...	...	0
Newark Water Supply adopted	...		...	...	2
New Drains provided	...	...	...	...	8
New Closets „	...	...	...	...	1

I have inspected all Bakehouses, Slaughterhouses, Registered Cowsheds and Workshops in the District. Their general condition is satisfactory.

R. OAKDEN, JUNR.,

INSPECTOR OF NUISANCES.

TABLE I.

NEWARK RURAL DISTRICT COUNCIL.

Vital Statistics of whole District during 1905 and previous Years.

YEAR.	Population estimated to Middle of each. Year.	BIRTHS.		DEATHS UNDER ONE YEAR OF AGE.		DEATHS AT ALL AGES. TOTAL.		Deaths in Public Institutions.	Deaths of Non-residents registered in District.	Deaths of Residents registered beyond District.	DEATHS AT ALL AGES NETT.	
		Number.	Rate.	Number.	Rate per 1,000 Births Registered.	Number.	Rate.				No.	Rate.
1895	7428	156	21.0	21	134.6	101	13.6	0	0	0	101	13.6
1896	7481	187	25.0	23	122.9	101	13.5	0	0	0	101	13.5
1897	7534	206	27.3	20	97	108	14.3	0	0	0	108	14.3
1898	7588	197	25.8	24	121.8	101	13.3	0	0	0	101	13.3
1899	7642	181	23.7	16	88.3	100	13.1	0	0	0	100	13.1
1900	7696	196	25.4	18	91.8	118	15.3	0	0	0	118	15.3
1901	7751	225	29.0	17	75.5	99	12.7	0	0	0	99	12.7
1902	7807	220	28.2	26	118.1	107	13.7	0	0	0	107	13.7
1903	7863	159	20.2	22	138.3	103	13.1	0	0	0	103	13.1
1904	7919	217	27.4	25	115.1	93	11.7	0	0	0	93	11.7
Averages for years 1895-1904.	7670	194.4	25.3	21.2	110.3	103.1	13.4	0	0	0	103.1	13.4
1905	7973	199	24.9	26	130.6	119	14.9	0	0	0	119	14.9

TABLE III.
NEWARK RURAL DISTRICT COUNCIL.
Cases of Infectious Disease notified during the Year 1905.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY.	No. of Cases removed to Hospital from Each Locality.
	At all Ages.	At Ages—Years.							
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.		
Small Pox	NIL.	NIL.
Cholera	...	...	...	...	...	...	...
Diphtheria	1	...	...	...	1	...	...
Membranous Croup	...	...	...	...	...	...	...
Erysipelas	8	...	...	2	4	2	...
Scarlet Fever	18	...	4	8	5	1	...		
Typhus Fever	...	...	...	...	...	...	...
Enteric Fever	1	...	...	...	1	...	...
Relapsing Fever	...	...	...	...	...	...	...
Continued Fever	1	...	...	...	...	1	...
Puerperal Fever...	1	...	...	...	...	1	...
Plague	...	...	...	...	...	...	...
Totals	30	...	4	8	8	8	2		

Isolation Hospital—None.

TABLE IV.
NEWARK RURAL DISTRICT COUNCIL.
Causes of, and Ages at, Death during Year 1905.

DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.																			
CAUSES OF DEATH.	Scarlet Fever.	Whooping Cough.	Enteric Fever.	Enteritis.	Puerperal Fever.	Erysipelas.	Other Sceptic Diseases.	Phthisis.	Other Tubercular Diseases.	Cancer, Malignant Disease.	Bronchitis.	Pneumonia.	Veneral Diseases.	Premature Birth.	Heart Diseases.	Accidents.	Suicides.	All other Causes.	All Causes.
All ages	1	3	1	1	1	1	1	4	2	5	12	14	1	7	9	5	2	49	119
Under 1 year...	...	3	...	1	...	...	...	1	...	...	3	5	...	7	...	1	...	5	26
1 and under 5..	1	...	...	...	...	...	...	...	1	...	...	2	1	...	...	...	...	1	6
5 and under 15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	3
15 and under 25	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	2	...	...	4
25 and under 65	...	...	...	...	1	...	1	2	1	2	2	3	...	...	3	1	2	11	29
65 and upwards	...	...	...	...	...	1	...	...	...	3	7	4	...	...	6	1	...	29	51

TABLE V.
NEWARK RURAL DISTRICT COUNCIL.
INFANTILE MORTALITY DURING THE YEAR 1905.
Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Months.	2-3 Months.	3-4 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
Whooping Cough	1	1	...	...	...	...	...	1	...	3
Enteritis	1	1
Premature Birth	4	1	1	...	...	...	1	...	...	...	7
Congenital Defects	1	...	...	...	...	...	...	1
Convulsions.....	1	...	...	...	...	2	...	...	3
Bronchitis	1	...	...	...	...	1	...	1	3
Laryngitis	1	...	...	...	...	1
Pneumonia	1	...	3	5
Other Causes	1	...	...	...	1	2
All Causes	4	2	4	1	...	2	1	4	1	6	26

Births in the Year { legitimate 187.
illegitimate 12.

Deaths from all Causes at all ages 109.

Population 7973.

NEWARK RURAL DISTRICT COUNCIL.

Factories, Workshops, Laundries, Workplaces, & Homework.

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

PREMISES.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries)	1		
Workshops (Including Workshop Laundries)	16		
Workplaces			
Homeworkers' Premises...			
Total	17		

2.—DEFECTS FOUND.

PARTICULARS.	Number of Defects.	
	Found.	Remedied.
<i>Nuisances under the Public Health Acts :—</i>		
Want of Ventilation	1	1
<i>Other Nuisances :—</i>		
Bakehouse continued with Living Room ...	1	1
Breach of special sanitary requirements for Bakehouses (ss. 97 to 100)	2	2
Total	4	4

3.—OTHER MATTERS.

CLASS.	Number.
<i>Matters notified to H. M. Inspectors of Factories :—</i>	
Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory Act (s. 5)	<div> Notified by H.M. Inspectors 1 </div> <div> Reports sent to H.M. Inspectors 1 </div>
Workshops on the Register (s. 131) at the end of the Year ...	16
General	9
Bakehouses	7
Total number of Workshops on Register	16

RAINFALL IN 1905.

AT SOUTH SCARLE VICARAGE, in the County of Notts.

Rain Gauge { Diameter of Funnel Five Inches.
 Height { Above Ground 1ft. 4in.
 of top { Above Sea Level 52ft.

Month.	Total Depth.	Greatest fall in 24 hours.		No. of days on which .01 or more fell.
		Inches.	Depth. Date.	
January .....	.44	.10	16	10
February .....	.42	.12	19	6
March.....	1.52	.25	10	16
April	1.71	.38	6	17
May .....	.45	.37	1	4
June	2.80	1.59	17	13
July	1.59	.54	26	8
August	3.14	.68	28	16
September	1.61	.42	9	7
October	1.32	.31	14	16
November	2.13	.39	10	13
December .....	.38	.30	28	3
TOTALS	17.51	...	...	129

E. C. SHAWFIELD.

Average for 12 years, 19.345.

